

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptaul55fxt

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 JAN 02 STN pricing information for 2008 now available  
NEWS 3 JAN 16 CAS patent coverage enhanced to include exemplified  
prophetic substances  
NEWS 4 JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new  
custom IPC display formats  
NEWS 5 JAN 28 MARPAT searching enhanced  
NEWS 6 JAN 28 USGENE now provides USPTO sequence data within 3 days  
of publication  
NEWS 7 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment  
NEWS 8 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements  
NEWS 9 FEB 08 STN Express, Version 8.3, now available  
NEWS 10 FEB 20 PCI now available as a replacement to DPCI  
NEWS 11 FEB 25 IFIREF reloaded with enhancements  
NEWS 12 FEB 25 IMSPRODUCT reloaded with enhancements  
NEWS 13 FEB 29 WPINDEX/WPIDS/WPIX enhanced with ECLA and current  
U.S. National Patent Classification  
NEWS 14 MAR 31 IFICDB, IFIPAT, and IFIUDB enhanced with new custom  
IPC display formats  
NEWS 15 MAR 31 CAS REGISTRY enhanced with additional experimental  
spectra  
NEWS 16 MAR 31 CA/CAPLUS and CASREACT patent number format for U.S.  
applications updated  
NEWS 17 MAR 31 LPCI now available as a replacement to LDPCI  
NEWS 18 MAR 31 EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
NEWS 19 APR 04 STN AnaVist, Version 1, to be discontinued  
NEWS 20 APR 15 WPIDS, WPINDEX, and WPIX enhanced with new  
predefined hit display formats  
NEWS 21 APR 28 EMBASE Controlled Term thesaurus enhanced  
NEWS 22 APR 28 IMSRESEARCH reloaded with enhancements  
NEWS 23 MAY 30 INPAFAMDB now available on STN for patent family  
searching  
NEWS 24 MAY 30 DGENE, PCTGEN, and USGENE enhanced with new homology  
sequence search option  
NEWS 25 JUN 06 EFFULL enhanced with 260,000 English abstracts  
NEWS 26 JUN 06 KOREAPAT updated with 41,000 documents  
NEWS 27 JUN 13 USPATFULL and USPAT2 updated with 11-character  
patent numbers for U.S. applications  
NEWS 28 JUN 19 CAS REGISTRY includes selected substances from  
web-based collections  
  
NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:41:05 ON 22 JUN 2008

=> set abbr on perm  
 SET COMMAND COMPLETED

=> set plurals on perm  
 SET COMMAND COMPLETED

=> file uspatall caplus japio		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'USPATFULL' ENTERED AT 11:41:37 ON 22 JUN 2008  
 CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 11:41:37 ON 22 JUN 2008  
 CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:41:37 ON 22 JUN 2008  
 CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 11:41:37 ON 22 JUN 2008  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'JAPIO' ENTERED AT 11:41:37 ON 22 JUN 2008  
 COPYRIGHT (C) 2008 Japanese Patent Office (JPO)- JAPIO

```
=> s ((di(1w)octyl or dioctyl)(1a)(hydroxy#(1w)amine# or
hydroxylamine#))(s)(polymeri? or monomer? or ethylene or ethene or styren?)
L1      0 ((DI(1W) OCTYL OR DIOCTYL)(1A)(HYDROXY#(1W) AMINE# OR HYDROXYLAM
INE#))(S)(POLYMERI? OR MONOMER? OR ETHYLENE OR ETHENE OR STYREN?
)
```

```
=> s ((di(1w)octadecyl or dioctadecyl)(1a)(hydroxy#(1w)amine# or
hydroxylamine#))(s)(polymeri? or monomer? or ethylene or ethene or styren?)
L2      1 ((DI(1W) OCTADECYL OR DIOCTADECYL)(1A)(HYDROXY#(1W) AMINE# OR
HYDROXYLAMINE#))(S)(POLYMERI? OR MONOMER? OR ETHYLENE OR ETHENE
OR STYREN?)
```

=> d l2 1 ibib abs

L2 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2006:334836 USPATFULL  
 TITLE: Composition and process for the controlled synthesis of block copolymers  
 INVENTOR(S): Wermter, Hendrik, Bensheim, GERMANY, FEDERAL REPUBLIC OF  
 Simon, Dirk, Lorrach-Brombach, GERMANY, FEDERAL REPUBLIC OF  
 Pfaendner, Rudolf, Rimbach, GERMANY, FEDERAL REPUBLIC OF  
 PATENT ASSIGNEE(S): CIBA SPECIALTY CHEMICALS HOLDINGS INC., Basel, SWITZERLAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20060287451	A1	20061221
APPLICATION INFO.:	US 2004-568376	A1	20040818 (10)
	WO 2004-EP51817		20040818
			20060214 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-102656	20030827
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CIBA SPECIALTY CHEMICALS CORPORATION, PATENT DEPARTMENT, 540 WHITE PLAINS RD, P O BOX 2005, TARRYTOWN, NY, 10591-9005, US	

NUMBER OF CLAIMS: 17  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 655

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a polymerizable composition comprising  
 a) at least one ethylenically unsaturated monomer and b) at least one hydroxylamine of high molecular weight, preferably a long chain alkyl substituted hydroxylamine. Further aspects of the present invention are a process for polymerizing ethylenically unsaturated monomers, and the use of high molecular weight hydroxylamines for controlled polymerization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s ((di(1w)octadecyl or dioctadecyl)(1a)(hydroxy#(1w)amine# or hydroxylamine#))and(polymeri? or monomer? or ethylene or ethene or styren?)  
 L3 8 ((DI(1W) OCTADECYL OR DIOCTADECYL)(1A)(HYDROXY#(1W) AMINE# OR HYDROXYLAMINE#)) AND(POLYMERI? OR MONOMER? OR ETHYLENE OR ETHENE OR STYREN?)

=> d l3 1-8 ibib abs

L3 ANSWER 1 OF 8 USPATFULL on STN  
 ACCESSION NUMBER: 2008:168084 USPATFULL  
 TITLE: Functionalized Esters, Amides or Urethanes of Perfluorinated Alcohols or Amines as Surface Modifiers  
 INVENTOR(S): Gerster, Michele, Binningen, SWITZERLAND  
 Mihalic, Manuel, Grenzach-Wyhlen, GERMANY, FEDERAL REPUBLIC OF  
 Schneider, Armin, Freiburg, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20080146742	A1	20080619
APPLICATION INFO.:	US 2006-883009	A1	20060130 (11)
	WO 2006-EP50508		20060130
			20070725 PCT 371 date
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	JoAnn Villamizar, Ciba Corporation/Patent Department, 540 White Plains Road, P.O. Box 2005, Tarrytown, NY, 10591, US		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1574		
AB	The invention describes a composition comprising a) an organic material which is susceptible to oxidative, thermal or light-induced degradation, and b) at least one melt additive of a compound of the formula I R1 (I) R3 X R2 wherein the general symbols are as defined in claim 1. The compounds of the formula I are useful as reducers of surface energy for organic materials, for example, for increasing the oil and water repellency of organic materials.		

##STR1##

L3 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2007:278798 USPATFULL

TITLE: Polyolefin Articles

INVENTOR(S): Hild, David, Muespach-Le-Haut, GERMANY, FEDERAL  
REPUBLIC OF  
Zingg, Jurg, Reinach, SWITZERLAND  
Walter, Philipp, Lorrach, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070244233	A1	20071018
APPLICATION INFO.:	US 2005-662161	A1	20050905 (11)
	WO 2005-EP54351		20050905
			20070307 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2004-104406	20040913
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Joann villamiza, Paten Department, 540 White plaind road, P.O.BOX 2005, Tarrytown, NY, 10591-9005, US	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
LINE COUNT:	724	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	A method for improving the dimensional stability of a shaped article made of a composition containing a nucleated polymeric material, which comprises adding to the polymeric material a divalent metal alcoholate of a polyhydroxy-(C.sub.2-C.sub.20alkane) before shaping.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2007:237736 USPATFULL  
 TITLE: Use of Pyridindione Derivatives for Protecting Organic Material Against Detrimental Effects of Light  
 INVENTOR(S): Schambony, Simon, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF  
 Glaser, Alban, Mannheim, GERMANY, FEDERAL REPUBLIC OF  
 Sens, Rudiger, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF, 67056 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070208112	A1	20070906
APPLICATION INFO.:	US 2005-592666	A1	20050414 (10)
	WO 2005-EP3917		20050414
			20060913 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2004-102004019171	20040416
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
LINE COUNT:	3136	

AB The present invention relates to the use of pyridinedione derivatives of general formula I ##STR1## and if appropriate their tautomers in which

R.sup.1 is hydrogen, optionally substituted and/or if appropriate heteroatom-comprising alkyl, alkenyl or alkynyl or optionally substituted cycloalkyl, cycloalkenyl, heterocycloalkyl, aryl or heteroaryl,

R.sup.2 independently of R.sup.1 has the definition of R.sup.1 or NR.sup.4R.sup.5,

R.sup.4, R.sup.5 independently of one another and of R.sup.1 have the definition of R.sup.1 or COR.sup.6,

A is CN, COR.sup.7, COOR.sup.7 or CONR.sup.7R.sup.8,

R.sup.6, R.sup.7, R.sup.8 independently of one another and of R.sup.1 have the definition of R.sup.1, n denotes values of 1, 2, 3 or 4,

R.sup.3 if n is 1: is hydrogen, optionally substituted and/or if appropriate heteroatom-comprising alkyl, alkenyl or alkynyl or optionally substituted cycloalkyl, cycloalkenyl or heterocycloalkyl, if n is not 1: is an n-valent aliphatic or cycloaliphatic radical which may if appropriate comprise heteroatoms, to protect organic material from the damaging effects of light, to compositions which comprise at least one such pyridinedione derivative of formula I in an amount conferring protection from the damaging effects of light, and at least one organic material, and to pyridinedione derivatives of formula I.

L3 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2007:114959 USPATFULL  
 TITLE: Use of 4-cyano-naphthalene-1, 8-dicarboximide derivatives and related compounds to protect organic material from the damaging effects of light  
 INVENTOR(S): Schambony, Simon, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF

Glaser, Alban, Mannheim, GERMANY, FEDERAL REPUBLIC OF  
Sens, Rudiger, Ludwigshafen, GERMANY, FEDERAL REPUBLIC  
OF

Bohm, Arno, Mannheim, GERMANY, FEDERAL REPUBLIC OF  
Reichelt, Helmut, Neustadt, GERMANY, FEDERAL REPUBLIC  
OF

PATENT ASSIGNEE(S): BAST Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL  
REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070100033	A1	20070503
APPLICATION INFO.:	US 2004-579441	A1	20041112 (10)
	WO 2004-EP12873		20041112
			20060515 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-10353328	20031114
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1-43	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	3556	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A description is given of the use of naphthalene-1,8-dicarboxylic monoimides of the formula (I), in which R.sup.1 is hydrogen, alkyl, alkenyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, aryl or heteroaryl and R.sup.2 is a radical containing at least one  $\pi$  electron system containing a carbon atom and at least one further atom selected from carbon, oxygen, and nitrogen, with the proviso that the radical contains at least one atom other than carbon; to protect organic material from the damaging effects of light, of compositions which comprise at least one naphthalene-1,8-dicarboxylic monoimide of the formula (I) in an amount which provides protection from the damaging effects of light, and at least one organic material, and of new naphthalene-1,8-dicarboxylic monoimides (I).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2006:334836 USPATFULL

TITLE: Composition and process for the controlled synthesis of block copolymers

INVENTOR(S): Wernter, Hendrik, Bensheim, GERMANY, FEDERAL REPUBLIC  
OF  
Simon, Dirk, Lorrach-Brombach, GERMANY, FEDERAL  
REPUBLIC OF  
Pfaendner, Rudolf, Rimbach, GERMANY, FEDERAL REPUBLIC  
OF

PATENT ASSIGNEE(S): CIBA SPECIALTY CHEMICALS HOLDINGS INC., Basel,  
SWITZERLAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20060287451	A1	20061221
APPLICATION INFO.:	US 2004-568376	A1	20040818 (10)

WO 2004-EP51817 20040818  
20060214 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-102656	20030827
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CIBA SPECIALTY CHEMICALS CORPORATION, PATENT DEPARTMENT, 540 WHITE PLAINS RD, P O BOX 2005, TARRYTOWN, NY, 10591-9005, US	

NUMBER OF CLAIMS: 17  
EXEMPLARY CLAIM: 1  
LINE COUNT: 655

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a polymerizable composition comprising a) at least one ethylenically unsaturated monomer and b) at least one hydroxylamine of high molecular weight, preferably a long chain alkyl substituted hydroxylamine. Further aspects of the present invention are a process for polymerizing ethylenically unsaturated monomers, and the use of high molecular weight hydroxylamines for controlled polymerization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2005:203434 USPATFULL  
TITLE: Polyester and polyamide compositions of low residual aldehyde content  
INVENTOR(S): Tinkl, Michael, Eiken, SWITZERLAND  
Andrews, Stephen Mark, New Fairfield, CT, UNITED STATES  
Voldrich, Jan, Basel, SWITZERLAND  
Stamp, Melissa B., Bear, GERMANY, FEDERAL REPUBLIC OF  
Reinicker, Roger, Hockessin, GERMANY, FEDERAL REPUBLIC OF  
OF  
Odorisio, Paul Angelo, Leonia, NJ, UNITED STATES  
Fischer, Walter, Reinach, SWITZERLAND  
Muller, Daniel, Basel, SWITZERLAND  
Berthelon, Natacha, Village Neuf, FRANCE  
Simon, Dirk, Mutterstadt, GERMANY, FEDERAL REPUBLIC OF  
Stoll, Klaus, Binzen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20050176859	A1	20050811
APPLICATION INFO.:	US 2003-491598	A1	20021001 (10)
	WO 2002-EP10995		20021001

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-327944P	20011009 (60)
	US 2003-338253P	20011206 (60)
	US 2003-400158P	20020801 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CIBA SPECIALTY CHEMICALS CORPORATION, PATENT DEPARTMENT, 540 WHITE PLAINS RD, P O BOX 2005, TARRYTOWN, NY, 10591-9005, US	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	

LINE COUNT: 2715

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A mixture of a polyester or a polyamide, such as poly(ethylene terephthalate) PET, and a suitable stabilizer selected from the group consisting of certain Mannich base compounds, when extrusion compounded exhibits a lower residual acetaldehyde content than does PET or polyamide alone when similarly treated. The invention pertains to any polyester or polyamide used in the manufacture of molded articles, fibers, or films, for instance bottles or containers which are used to store consumer materials, for example food, beverages and water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 8 USPATFULL on STN

ACCESSION NUMBER: 92:21050 USPATFULL

TITLE: Polyolefin compositions stabilized with NOR-substituted hindered amines

INVENTOR(S): Galbo, James P., Wingdale, NY, United States  
Seltzer, Raymond, New City, NY, United States  
Ravichandran, Ramanathan, Nanuet, NY, United States  
Patel, Ambelal R., Ardsley, NY, United States

PATENT ASSIGNEE(S): Ciba-Geigy Corporation, Ardsley, NY, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5096950		19920317
APPLICATION INFO.:	US 1990-562783		19900806 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1988-259946, filed on 19 Oct 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hoke, Veronica P.		
LEGAL REPRESENTATIVE:	Hall, Luther A. R., Falber, Harry		
NUMBER OF CLAIMS:	32		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1307		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Hindered amines based on various 2,2,6,6-tetraalkylated nitrogen-containing heterocyclic moieties wherein the hindered nitrogen atom on the ring is substituted with OR.sub.1 substituents and the 4-position of the ring is substituted with a diversity of substituents are effective in protecting polyolefins against the adverse effects of light, heat and oxygen.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 8 OF 8 USPATFULL on STN

ACCESSION NUMBER: 91:26643 USPATFULL

TITLE: Polymeric substrates stabilized with N-substituted hindered amines

INVENTOR(S): Cortolano, Frank P., Valhalla, NY, United States  
Seltzer, Raymond, New City, NY, United States  
Patel, Ambelal R., Ardsley, NY, United States

PATENT ASSIGNEE(S): Ciba-Geigy Corporation, Ardsley, NY, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5004770		19910402



APPLICATION INFO.: US 1989-416621 19891003 (7)  
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1988-259955, filed  
 on 19 Oct 1988, now abandoned  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Morgan, Kriellion  
 LEGAL REPRESENTATIVE: Falber, Harry  
 NUMBER OF CLAIMS: 23  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 1328

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Hindered amines based on various 2,2,6,6-tetralkylated  
 nitrogen-containing heterocyclic moieties wherein the hindered nitrogen  
 atom on the ring is substituted with OH or OR substituents and the  
 4-position of the ring is substituted with a diversity of substituents  
 are effective in protecting a variety of non-polyolefin substrates  
 against the adverse effects of light, heat and oxygen.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l3 2 ibib hit

L3 ANSWER 2 OF 8 USPATFULL on STN  
 ACCESSION NUMBER: 2007:278798 USPATFULL  
 TITLE: Polyolefin Articles  
 INVENTOR(S): Hild, David, Muespach-Le-Haut, GERMANY, FEDERAL  
 REPUBLIC OF  
 Zingg, Jurg, Reinach, SWITZERLAND  
 Walter, Philipp, Lorrach, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070244233	A1	20071018
APPLICATION INFO.:	US 2005-662161	A1	20050905 (11)
	WO 2005-EP54351		20050905
			20070307 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2004-104406	20040913
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Joann villamiza, Paten Department, 540 White plained road, P.O.BOX 2005, Tarrytown, NY, 10591-9005, US	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
LINE COUNT:	724	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for improving the dimensional stability of a shaped article  
 made of a composition containing a nucleated polymeric  
 material, which comprises adding to the polymeric material a  
 divalent metal alcoholate of a polyhydroxy-(C.sub.2-C.sub.20alkane)  
 before shaping.

SUMM The present invention relates to a method for improving the dimensional  
 stability of a shaped article made of a composition containing a  
 nucleated polymeric material.

SUMM A polymeric material, in particular a polyolefin, containing  
 a nucleating agent may crystallize at a much faster rate compared to the

same polymeric material without a nucleating agent. Such crystallization at higher temperatures results in reduced fabrication cycle times and a variety of improvements in physical properties such as for example the balance between stiffness and impact resistance.

SUMM The present invention relates in particular to a method for improving the dimensional stability of a shaped article made of a composition containing a nucleated polymeric material, which comprises adding to the polymeric material a divalent metal alcoholate of a polyhydroxy-(C.sub.2-C.sub.20alkane) before shaping.

SUMM Examples of polymeric materials are:

SUMM 3. Copolymers of monoolefins and diolefins with each other or with other vinyl monomers, for example ethylene/propylene copolymers, linear low density polyethylene (LLDPE) and mixtures thereof with low density polyethylene (LDPE), propylene/but-1-ene copolymers, propylene/isobutylene copolymers, ethylene/but-1-ene copolymers, ethylene/hexene copolymers, ethylene/methylpentene copolymers, ethylene/heptene copolymers, ethylene/octene copolymers, ethylene/vinylcyclohexane copolymers, ethylene/cycloolefin copolymers (e.g. ethylene/norbornene like COC), ethylene/1-olefins copolymers, where the 1-olefin is generated in-situ; propylene/butadiene copolymers, isobutylene/isoprene copolymers, ethylene/vinylcyclohexene copolymers, ethylene/alkyl acrylate copolymers, ethylene/alkyl methacrylate copolymers, ethylene/vinyl acetate copolymers or ethylene/acrylic acid copolymers and their salts (ionomers) as well as terpolymers of ethylene with propylene and a diene such as hexadiene, dicyclopentadiene or ethylidene-norbornene; and mixtures of such copolymers with one another and with polymers mentioned in 1) above, for example polypropylene/ethylene-propylene copolymers, LDPE/ethylene-vinyl acetate copolymers (EVA), LDPE/ethylene-acrylic acid copolymers (EAA), LLDPE/EVA, LLDPE/EAA and alternating or random polyalkylene/carbon monoxide copolymers and mixtures thereof with other polymers, for example polyamides.

SUMM The polymeric material is preferably a polyolefin, in particular a polypropylene homopolymer or a polypropylene copolymer. Thermoplastic polyolefin (TPO) is also of interest. Thermoplastic polyolefin is for example a rubber-toughened polymer blend of polypropylene (PP), ethylene propylene rubber (EPR) or ethylene propylene diene monomer rubber (EPDM) or plastomer.

SUMM The polyhydroxy-(C.sub.2-C.sub.10alkane), in particular ethylene glycol (=1,2-ethanediol) or glycerol (=1,2,3-propanetriol).

SUMM The divalent metal alcoholate may be monomeric, oligomeric or polymeric, in particular polymeric.

SUMM The metal alcoholate is preferably a polymeric material formed by the reaction of a zinc compound and a polyhydroxy compound as described for example in U.S. Pat. No. 5,475,123 which is incorporated by reference herein.

SUMM According to a preferred embodiment of the present invention, 0.001 to 5%, preferably 0.001 to 2%, 0.005 to 1%, 0.01 to 1% or 0.03 to 0.5%, of

the alcoholate, relative to the weight of the polymeric material, are added.

- SUMM The addition of the alcoholate and optionally further conventional additives to the polymeric material is conveniently carried out by standard procedures, well known to those skilled in the art, for example by compounding, such as mixing the prescribed components in a conventional mixer and melting and kneading the mixture with a single- or twin-screw extruder, or the like.
- SUMM 1.6. Alkylidenebisphenols, for example 2,2'-methylenebis(6-tert-butyl-4-methylphenol), 2,2'-methylenebis(6-tert-butyl-4-ethylphenol), 2,2'-methylenebis[4-methyl-6-( $\alpha$ -methylcyclohexyl)-phenol], 2,2'-methylenebis(4-methyl-6-cyclohexylphenol), 2,2'-methylenebis(6-nonyl-4-methylphenol), 2,2'-methylenebis(4,6-di-tert-butyl phenol), 2,2'-ethylidenebis(4,6-di-tert-butyl-phenol), 2,2'-ethylidenebis(6-tert-butyl-4-isobutylphenol), 2,2'-methylenebis[6-( $\alpha$ -methylbenzyl)-4-nonylphenol], 2,2'-methylenebis[6-( $\alpha$ , $\alpha$ -dimethylbenzyl)-4-nonylphenol], 4,4'-methylenebis(2,6-di-tert-butylphenol), 4,4'-methylenebis(6-tert-butyl-2-methylphenol), 1,1-bis(5-tert-butyl-4-hydroxy-2-methylphenyl)butane, 2,6-bis(3-tert-butyl-5-methyl-2-hydroxybenzyl)-4-methylphenol, 1,1,3-tris(5-tert-butyl-4-hydroxy-2-methylphenyl)butane, 1,1-bis(5-tert-butyl-4-hydroxy-2-methylphenyl)-3-n-dodecylmercaptobutane, ethylene glycol bis[3,3-bis[3'-tert-butyl-4'-hydroxyphenyl]butyrate], bis(3-tert-butyl-4-hydroxy-5-methylphenyl)dicyclopentadiene, bis[2-(3'-tert-butyl-2'-hydroxy-5'-methylbenzyl)-6-tert-butyl-4-methylphenyl]terephthalate, 1,1-bis-(3,5-dimethyl-2-hydroxyphenyl)butane, 2,2-bis(3,5-di-tert-butyl-4-hydroxyphenyl)propane, 2,2-bis-(5-tert-butyl-4-hydroxy-2-methylphenyl)-4-n-dodecylmercaptobutane, 1,1,5,5-tetra(5-tert-butyl-4-hydroxy-2-methylphenyl)pentane.
- SUMM 1.13. Esters of  $\beta$ -(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid with mono- or polyhydric alcohols, e.g. with methanol, ethanol, n-octanol, i-octanol, octadecanol, 1,6-hexanediol, 1,9-nonanediol, ethylene glycol, 1,2-propanediol, neopentyl glycol, thiodiethylene glycol, diethylene glycol, triethylene glycol, pentaerythritol, tris(hydroxyethyl)isocyanurate, N,N'-bis(hydroxyethyl)oxamide, 3-thiaundecanol, 3-thiapentadecanol, trimethylhexanediol, trimethylol-propane, 4-hydroxymethyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane.
- SUMM 1.14. Esters of  $\beta$ -(5-tert-butyl-4-hydroxy-3-methylphenyl)propionic acid with mono- or polyhydric alcohols, e.g. with methanol, ethanol, n-octanol, i-octanol, octadecanol, 1,6-hexanediol, 1,9-nonanediol, ethylene glycol, 1,2-propanediol, neopentyl glycol, thiodiethylene glycol, diethylene glycol, triethylene glycol, pentaerythritol, tris(hydroxyethyl)isocyanurate, N,N'-bis-(hydroxyethyl)oxamide, 3-thiaundecanol, 3-thiapentadecanol, trimethylhexanediol, trimethylolpropane, 4-hydroxymethyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane; 3,9-bis[2-(3-(3-tert-butyl-4-hydroxy-5-methylphenyl)propionyloxy)-1,1-dimethylethyl]-2,4,8,10-tetraoxaspiro[5.5]undecane.
- SUMM 1.15. Esters of  $\beta$ -(3,5-dicyclohexyl-4-hydroxyphenyl)propionic acid with mono- or polyhydric alcohols, e.g. with methanol, ethanol, octanol, octadecanol, 1,6-hexanediol, 1,9-nonanediol, ethylene glycol, 1,2-propanediol, neopentyl glycol, thiodiethylene glycol, diethylene glycol, triethylene glycol, pentaerythritol, tris(hydroxyethyl)isocyanurate, N,N'-bis(hydroxyethyl)oxamide,

3-thiaundecanol, 3-thiapentadecanol, trimethylhexanediol, trimethylolpropane, 4-hydroxymethyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane.

SUMM 1.16. Esters of 3,5-di-tert-butyl-4-hydroxyphenyl acetic acid with mono- or polyhydric alcohols, e.g. with methanol, ethanol, octanol, octadecanol, 1,6-hexanediol, 1,9-nonanediol, ethylene glycol, 1,2-propanediol, neopentyl glycol, thiodiethylene glycol, diethylene glycol, triethylene glycol, pentaerythritol, tris(hydroxyethyl)isocyanurate, N,N'-bis(hydroxyethyl)oxamide, 3-thiaundecanol, 3-thiapentadecanol, trimethylhexanediol, trimethylolpropane, 4-hydroxymethyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane.

SUMM 2.6. Sterically hindered amines, for example bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate, bis(2,2,6,6-tetramethyl-4-piperidyl)succinate, bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate, bis(1-octyloxy-2,2,6,6-tetramethyl-4-piperidyl)sebacate, bis(1,2,2,6,6-pentamethyl-4-piperidyl)-n-butyl-3,5-di-tert-butyl-4-hydroxybenzylmalonate, the condensate of 1-(2-hydroxyethyl)-2,2,6,6-tetramethyl-4-hydroxypiperidine and succinic acid, linear or cyclic condensates of N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine and 4-tert-octylamino-2,6-di-chloro-1,3,5-triazine, tris(2,2,6,6-tetramethyl-4-piperidyl)nitritotriacetate, tetrakis(2,2,6,6-tetra-methyl-4-piperidyl)-1,2,3,4-butanetetracarboxylate, 1,1'-(1,2-ethanediyl)-bis(3,3,5,5-tetramethylpiperazinone), 4-benzoyl-2,2,6,6-tetramethylpiperidine, 4-stearlyloxy-2,2,6,6-tetramethylpiperidine, bis(1,2,2,6,6-pentamethylpiperidyl)-2-n-butyl-2-(2-hydroxy-3,5-di-tert-butylbenzyl)-malonate, 3-n-octyl-7,7,9,9-tetramethyl-1,3,8-triazaspiro[4.5]decane-2,4-dione, bis(1-octyl-oxy-2,2,6,6-tetramethyl piperidyl)sebacate, bis(1-octyloxy-2,2,6,6-tetramethylpiperidyl)succinate, linear or cyclic condensates of N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine and 4-morpholino-2,6-dichloro-1,3,5-triazine, the condensate of 2-chloro-4,6-bis(4-n-butylamino-2,2,6,6-tetramethylpiperidyl)-1,3,5-triazine and 1,2-bis(3-aminopropylamino)-ethane, the condensate of 2-chloro-4,6-di-(4-n-butylamino-1,2,2,6,6-pentamethylpiperidyl)-1,3,5-triazine and 1,2-bis(3-aminopropylamino)ethane, 8-acetyl-3-dodecyl-7,7,9,9-tetramethyl-1,3,8-triazaspiro[4.5]decane-2,4-dione, 3-dodecyl-1-(2,2,6,6-tetramethyl-4-piperidyl)pyrrolidine-2,5-dione, 3-dodecyl-1-(1,2,2,6,6-pentamethyl-4-piperidyl)pyrrolidine-2,5-dione, a mixture of 4-hexadecyloxy- and 4-stearlyloxy-2,2,6,6-tetramethylpiperidine, a condensate of N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine and 4-cyclohexylamino-2,6-dichloro-1,3,5-triazine, a condensate of 1,2-bis(3-aminopropylamino)ethane and 2,4,6-trichloro-1,3,5-triazine as well as 4-butylamino-2,2,6,6-tetramethylpiperidine (CAS Reg. No. [136504-96-6]); a condensate of 1,6-hexanediamine and 2,4,6-trichloro-1,3,5-triazine as well as N-dibutylamine and 4-butylamino-2,2,6,6-tetramethylpiperidine (CAS Reg. No. [192268-64-7]); N-(2,2,6,6-tetramethyl-4-piperidyl)-n-dodecylsuccinimide, N-(1,2,2,6,6-pentamethyl-4-piperidyl)-n-dodecylsuccinimide, 2-undecyl-7,7,9,9-tetramethyl-1-oxa-3,8-diaza-4-oxo-spiro[4.5]decane, a reaction product of 7,7,9,9-tetramethyl-2-cycloundecyl-1-oxa-3,8-diaza-4-oxospiro-[4.5]decane and epichlorohydrin, 1,1-bis(1,2,2,6,6-pentamethyl-4-piperidyl)oxycarbonyl)-2-(4-methoxyphenyl)ethene, N,N'-bis-formyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine, a diester of 4-methoxymethylenemalononic acid with 1,2,2,6,6-pentamethyl-4-hydroxypiperidine, poly[methylpropyl-3-oxy-4-(2,2,6,6-tetramethyl-4-piperidyl)]siloxane, a reaction product of maleic acid anhydride- $\alpha$ -olefin copolymer with

2,2,6,6-tetramethyl-4-aminopiperidine or 1,2,2,6,6-pentamethyl-4-aminopiperidine.

SUMM 5. Hydroxylamines, for example N,N-dibenzylhydroxylamine, N,N-diethylhydroxylamine, N,N-dioctylhydroxylamine, N,N-dilaurylhydroxylamine, N,N-ditetradecylhydroxylamine, N,N-dihexadecylhydroxylamine, N,N-dioctadecylhydroxylamine, N-hexadecyl-N-octadecylhydroxylamine, N-heptadecyl-N-octadecylhydroxylamine, N,N-dialkylhydroxylamine derived from hydrogenated tallow amine.

SUMM 11. Nucleating agents, for example inorganic substances, such as talcum, metal oxides, such as titanium dioxide or magnesium oxide, phosphates, carbonates or sulfates of, preferably, alkaline earth metals; organic compounds, such as mono- or polycarboxylic acids and the salts thereof, e.g. 4-tert-butylbenzoic acid, adipic acid, diphenylacetic acid, sodium succinate or sodium benzoate; polymeric compounds, such as ionic copolymers (ionomers). Especially preferred are 1,3:2,4-bis(3',4'-dimethylbenzylidene)sorbitol, 1,3:2,4-di(paramethylidibenzylidene)sorbitol, and 1,3:2,4-di(benzylidene)sorbitol.

SUMM According to a preferred embodiment of the present invention, the polymeric material additionally contains an organic pigment.

CLM What is claimed is:  
1. A method for improving the dimensional stability of a shaped article made of a composition containing a nucleated polymeric material, which comprises adding to the polymeric material a divalent metal alcoholate of a polyhydroxy-(C.sub.2-C.sub.20alkane) before shaping.

CLM What is claimed is:  
3. A method according to claim 1, wherein the polyhydroxy-(C.sub.2-C.sub.20alkane) is ethylene glycol (=1,2-ethanediol) or glycerol (=1,2,3-propanetriol).

CLM What is claimed is:  
5. A method according to claim 1, wherein 0.01 to 5%, relative to the weight of the polymeric material, of the alcoholate are added.

CLM What is claimed is:  
6. A method according to claim 1, wherein the polymeric material is a polyolefin.

CLM What is claimed is:  
7. A method according to claim 1, wherein the polymeric material is a polypropylene homopolymer or a polypropylene copolymer.

CLM What is claimed is:  
8. A method according to claim 1, wherein one or more conventional additives are additionally added to the polymeric material before shaping.

CLM What is claimed is:  
9. A method according to claim 1, wherein an organic pigment is additionally added to the polymeric material before shaping.

CLM What is claimed is:  
13. The use of a divalent metal alcoholate of a polyhydroxy-(C.sub.2-

C.sub.20alkane) for improving the dimensional stability of a shaped article made of a composition containing a nucleated polymeric material.

=> d his full

(FILE 'HOME' ENTERED AT 11:41:05 ON 22 JUN 2008)  
SET ABBR ON PERM  
SET PLURALS ON PERM

FILE 'USPATFULL, USPATOLD, USPAT2, CAPLUS, JAPIO' ENTERED AT 11:41:37 ON 22 JUN 2008

```

L1      0 SEA ABB=ON PLU=ON ((DI(1W) OCTYL OR DIOCTYL) (1A) (HYDROXY#(1W)
        AMINE# OR HYDROXYLAMINE#)) (S) (POLYMERI? OR MONOMER? OR
        ETHYLENE OR ETHENE OR STYREN?)
L2      1 SEA ABB=ON PLU=ON ((DI(1W) OCTADECYL OR DIOCTADECYL) (1A) (HYDR
        OXY#(1W) AMINE# OR HYDROXYLAMINE#)) (S) (POLYMERI? OR MONOMER?
        OR ETHYLENE OR ETHENE OR STYREN?)
        D L2 1 IBIB ABS
L3      8 SEA ABB=ON PLU=ON ((DI(1W) OCTADECYL OR DIOCTADECYL) (1A) (HYDR
        OXY#(1W) AMINE# OR HYDROXYLAMINE#)) AND(POLYMERI? OR MONOMER?
        OR ETHYLENE OR ETHENE OR STYREN?)
        D L3 1-8 IBIB ABS
        D L3 2 IBIB HIT

```

FILE HOME

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 19 Jun 2008 (20080619/PD)  
FILE LAST UPDATED: 19 Jun 2008 (20080619/ED)  
HIGHEST GRANTED PATENT NUMBER: US7389542  
HIGHEST APPLICATION PUBLICATION NUMBER: US20080148460  
CA INDEXING IS CURRENT THROUGH 19 Jun 2008 (20080619/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 19 Jun 2008 (20080619/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2008  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2008

FILE USPATOLD

FILE COVERS U.S. PATENTS 1790-1975  
Produced using data provided by Univentio.

This database was created using Optical Character Recognition (OCR) technology. For this reason, some characters may be missing or mistranslated. In order to improve searchability and retrieval, CA indexing information has been added to the Title, Inventor, and Patent Assignee fields where possible. Please see HELP CASDATA for more information on the availability of CAS indexing in this database.

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 19 Jun 2008 (20080619/PD)  
FILE LAST UPDATED: 19 Jun 2008 (20080619/ED)  
HIGHEST GRANTED PATENT NUMBER: US20060012987  
HIGHEST APPLICATION PUBLICATION NUMBER: US20080148458  
CA INDEXING IS CURRENT THROUGH 17 Jun 2008 (20080617/UPCA)

S/N 10/568,376

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 19 Jun 2008 (20080619/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2008  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2008

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 Jun 2008 VOL 148 ISS 26  
FILE LAST UPDATED: 20 Jun 2008 (20080620/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

FILE JAPIO  
FILE LAST UPDATED: 9 JUN 2008 <20080609/UP>  
MOST RECENT PUBLICATION DATE: 28 FEB 2008 <20080228/PD>

>>> GRAPHIC IMAGES AVAILABLE <<<

=> log y		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	110.13	110.34

STN INTERNATIONAL LOGOFF AT 11:49:35 ON 22 JUN 2008